

AMENDMENT TO THE TITLE:

Please change the title to read as follows:

IMAGE PROCESSING APPARATUS

AMENDMENTS TO THE SPECIFICATION:

Please delete Equation (2-3) on page 24 of the as-filed specification and replace it with Equation (2-3) as shown below:

$$\left[\left[R_e(\phi, \theta) = \begin{pmatrix} \cos \theta & 0 & \sin \theta \\ -\sin \phi \sin \theta & \cos \phi & \sin \phi \cos \theta \\ -\cos \phi \sin \theta & -\sin \phi & \cos \phi \cos \theta \end{pmatrix} \dots (2-3) \right] \right]$$

$$R_e(\phi, \theta) = \begin{pmatrix} \cos \theta & 0 & \sin \theta \\ -\sin \phi \sin \theta & \cos \phi & \sin \phi \cos \theta \\ -\cos \phi \sin \theta & -\sin \phi & \cos \phi \cos \theta \end{pmatrix} \dots (2-3)$$

Please delete Equation (9-1) on page 32 of the as-filed specification and replace it with Equation (9-1) as shown below:

$$\left[\left[\bar{q} = \begin{pmatrix} \phi \\ 0 \end{pmatrix} \dots (9-1) \right] \right] \quad \underline{\bar{q} = \begin{pmatrix} \phi \\ \theta \end{pmatrix} \dots (9-1)}$$